Comparisons of Job Characteristics

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)
Associated Occupation: Medical Assistants (31-9092)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge — Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)
Associated Occupation: Medical Assistants (31-9092)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Customer and Personal Service	11.3	13.7	18.0	**>>**	Current knowledge level is likely more than sufficient
Clerical	7.3	12.7	8.1	**<<**	Extensive education and/or training may be required
Medicine and Dentistry	3.7	12.5	17.4	**>>**	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills — Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)
Associated Occupation: Medical Assistants (31-9092)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Active Listening	11.0	13.3	11.9	**<**	A higher skill level may be required
Speaking	10.8	13.0	11.0	**<**	A higher skill level may be required
Monitoring	9.9	11.5	11.6	**0**	Current skill level may be sufficient
Social Perceptiveness	9.1	11.4	10.0	**<**	A higher skill level may be required
Service Orientation	7.9	10.1	10.5	**0**	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities — Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031) Associated Occupation: Medical Assistants (31-9092)					

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Oral Expression	12.4	13.9	13.6	0	Current ability level may be sufficient
Oral Comprehension	12.5	13.5	13.7	0	Current ability level may be sufficient
Problem Sensitivity	11.1	11.6	14.8	>>	Current ability level is likely more than sufficient
Speech Clarity	10.2	11.4	10.1	<	Some improvement in abilities may be required
Written Comprehension	11.0	11.4	11.1	0	Current ability level may be sufficient
Near Vision	11.1	11.2	11.4	0	Current ability level may be sufficient
Speech Recognition	9.9	11.0	9.8	<	Some improvement in abilities may be required
Written Expression	9.8	10.7	10.7	0	Current ability level may be sufficient
Perceptual Speed	7.4	8.2	9.7	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031) Associated Occupation: Medical Assistants (31-9092)	

Work Activities	Exclusivity of Activity
Administer injections	60
Administer medications or treatments	46
Collect clinical data	56
Follow dental or medical office procedures	68
Follow patient care procedures	60
Inventory medical supplies or instruments	67
Observe patient condition	48
Prepare patients for tests, therapy, or treatments	70
Record medical history or data	68
Take vital signs	56
Use clinical sterilizing technique	71
Use interpersonal communication techniques	10
Use knowledge of medical terminology	40
Use medical diagnostic equipment	87
Use sanitation practices in health care settings	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 73

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)
Associated Occupation: Medical Assistants (31-9092)

Tools and Technologies	Exclusivity
Autoclave and sterilizer equipment and accessories	12
Blood pressure units and related products	11
Business function specific software	1
Clinical and diagnostic analyzers and accessories and supplies	18
Computer printers	2
Computers	1
Data management and query software	1
Electrocardiography EKG units and related products	20
Industry specific software	1
Injection and aspiration needles and accessories	25
Laboratory centrifuges and accessories	13
Medical diagnostic x ray products	26
Medical imaging processing equipment and supplies	33
Network applications software	1
Oxygen therapy delivery systems and devices	13
Pulmonary function testing and treatment products	24
Scopes and specula and accessories for medical exam diagnostic use	23
Specimen collection and transport containers and supplies	14
Stethoscopes and related products	14
Surgical equipment and accessories and related products	23
Surgical support supplies	33
Syringes and accessories	14
Viewing and observing instruments and accessories	4

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.